

1 / 17

Fig. 1

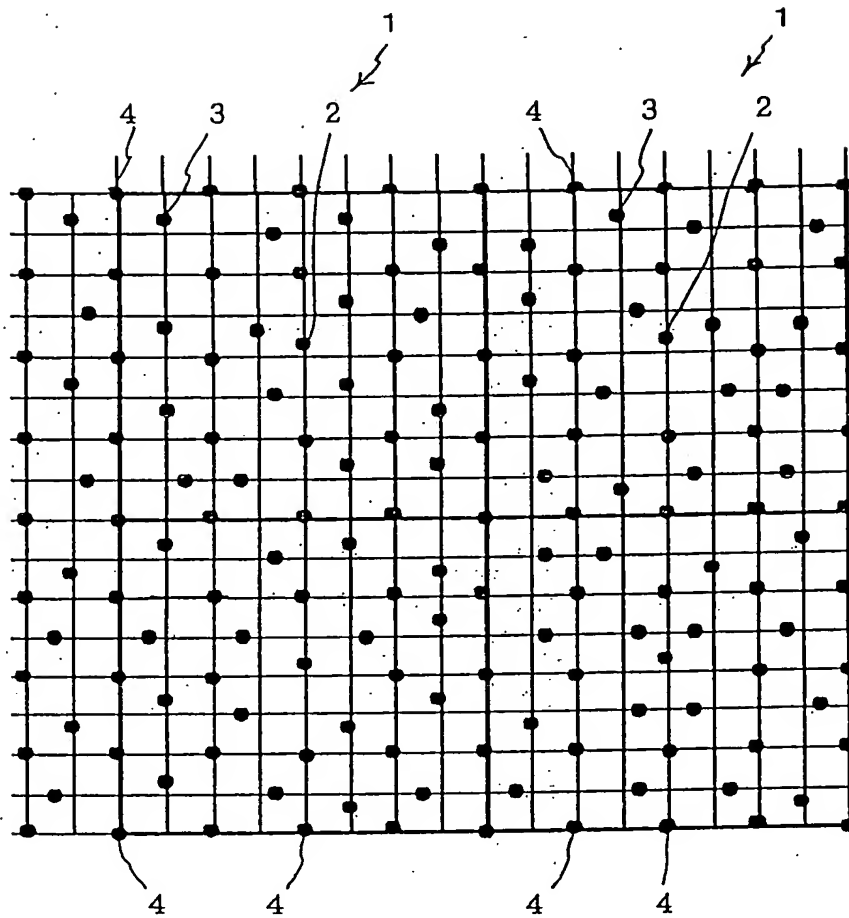
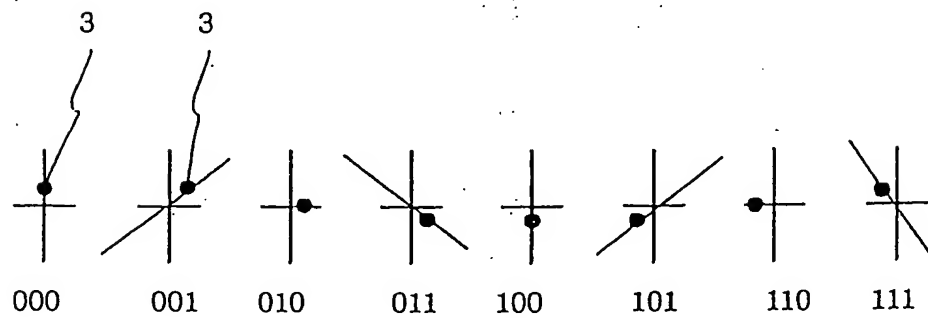


Fig. 2



2/17

Fig. 3

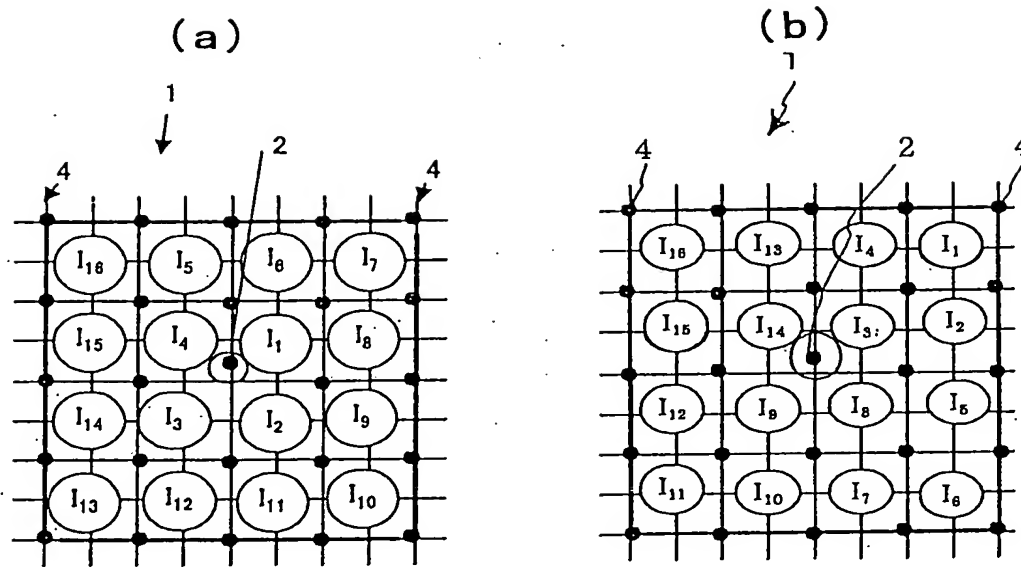
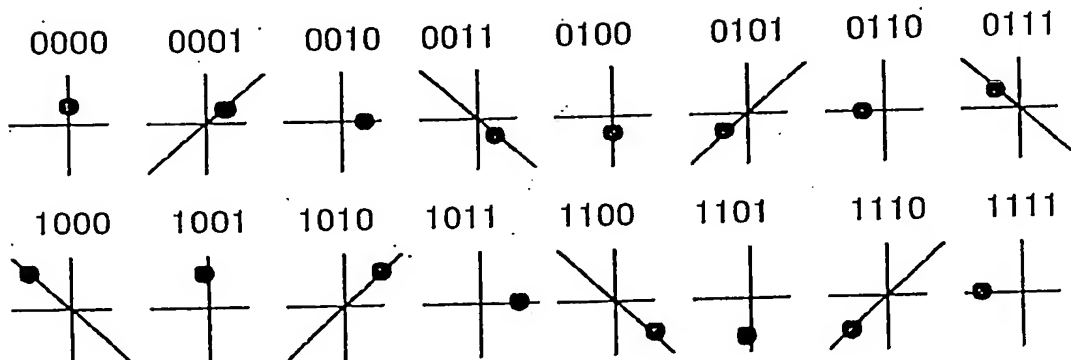


Fig. 4



3/17

Fig. 5

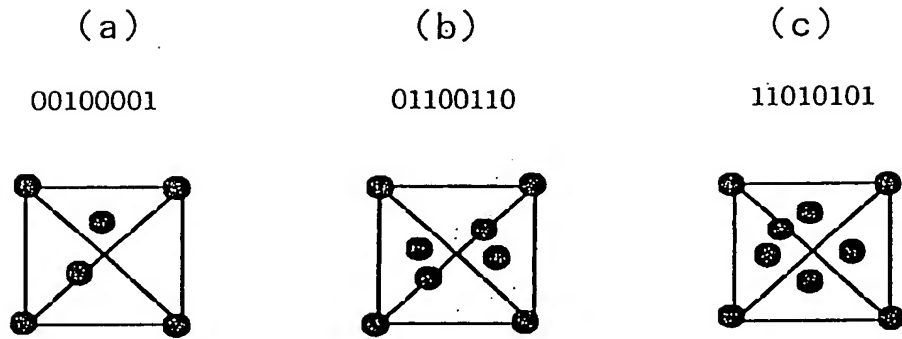
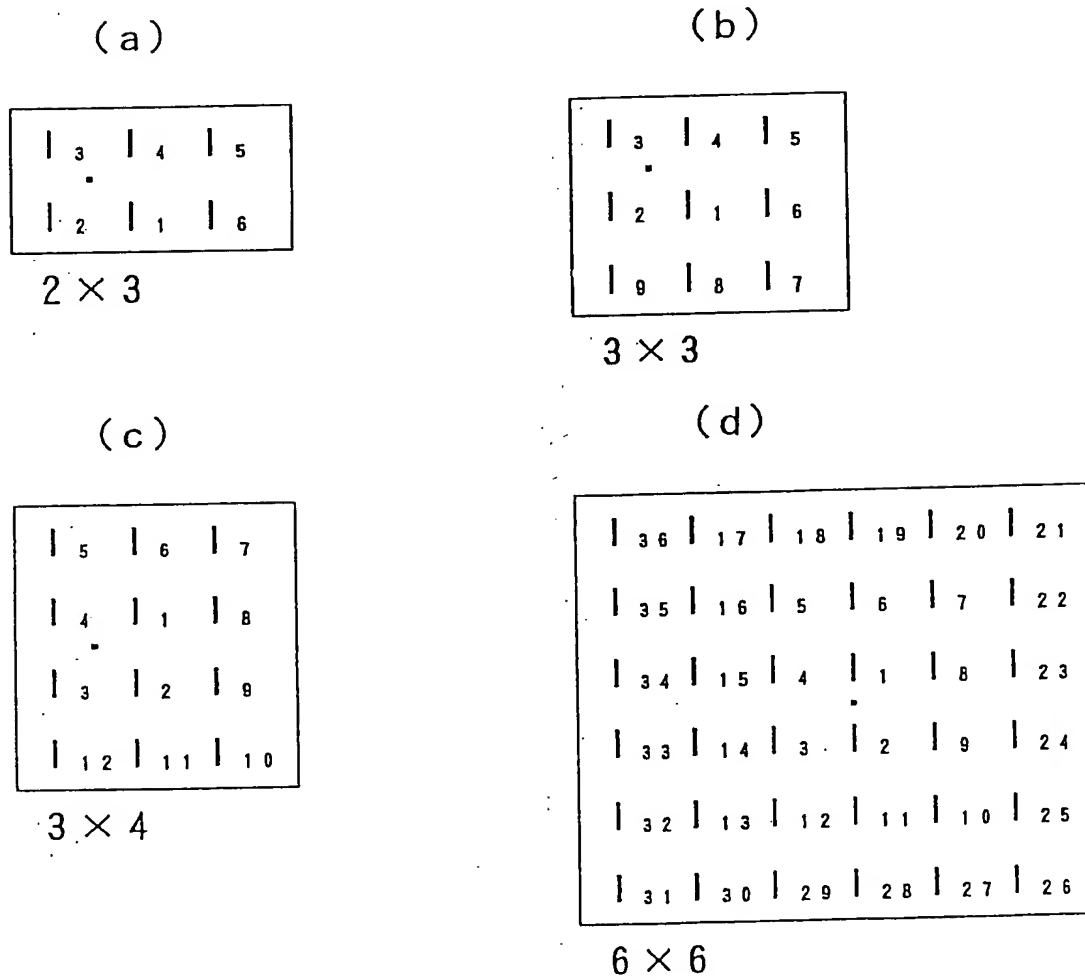


Fig. 6



4/17

Fig. 7

(a)

$[C_{25}]C_{32}C_{31}C_{30}C_{29}C_{28}C_{27}C_{26}C_{25}[C_{17}]C_{24}C_{23}C_{22}C_{21}C_{20}C_{19}C_{18}C_{17}[C_9]C_{16}C_{15}C_{14}C_{13}C_{12}C_{11}C_{10}C_9[C_1]C_8C_7C_6C_5C_4C_3C_2C_1$
 $I_{16} \quad I_{15} \quad I_{14} \quad I_{13} \quad I_{12} \quad I_{11} \quad I_{10} \quad I_9 \quad I_8 \quad I_7 \quad I_6 \quad I_5 \quad I_4 \quad I_3 \quad I_2 \quad I_1$

e.g.

$1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 0 \ 1 \ 1 \ 0 \ 0 \ 0 \ 1 \ 1 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1$
 $101 \ 110 \ 001 \ 111 \ 100 \ 010 \ 011 \ 101 \ 100 \ 001 \ 110 \ 000 \ 011 \ 110 \ 010 \ 001$

(b)

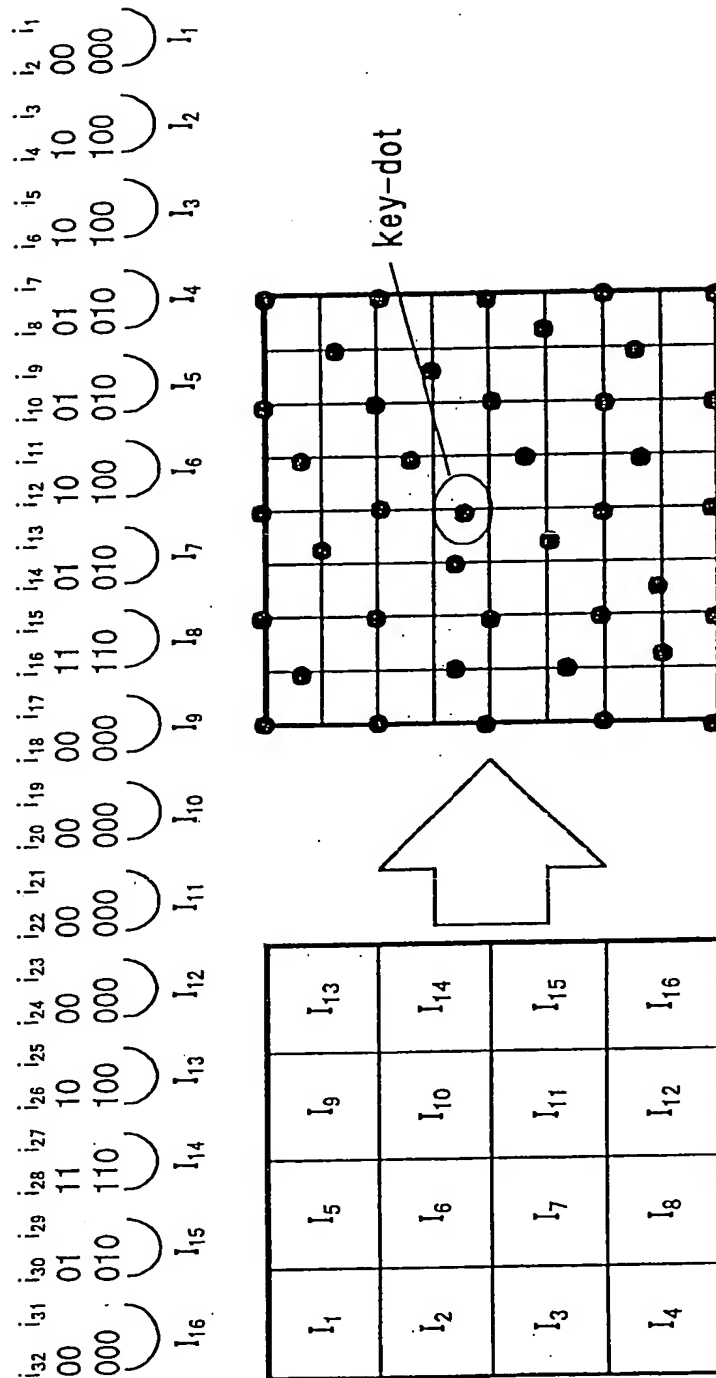
$C_1C_{32}C_{31}C_{30}C_{29}C_{28}C_{27}C_{26}C_{25}C_{24}C_{23}C_{22}C_{21}C_{20}C_{19}C_{18}C_{17}C_{16}C_{15}C_{14}C_{13}C_{12}C_{11}C_{10}C_9C_8C_7C_6C_5C_4C_3C_2C_1$
 $I_{16} \quad I_{15} \quad I_{14} \quad I_{13} \quad I_{12} \quad I_{11} \quad I_{10} \quad I_9 \quad I_8 \quad I_7 \quad I_6 \quad I_5 \quad I_4 \quad I_3 \quad I_2 \quad I_1$

e.g.

$1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 0 \ 1 \ 1 \ 0 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1$
 $101 \ 110 \ 001 \ 111 \ 100 \ 010 \ 011 \ 101 \ 100 \ 001 \ 110 \ 000 \ 011 \ 110 \ 010 \ 001$

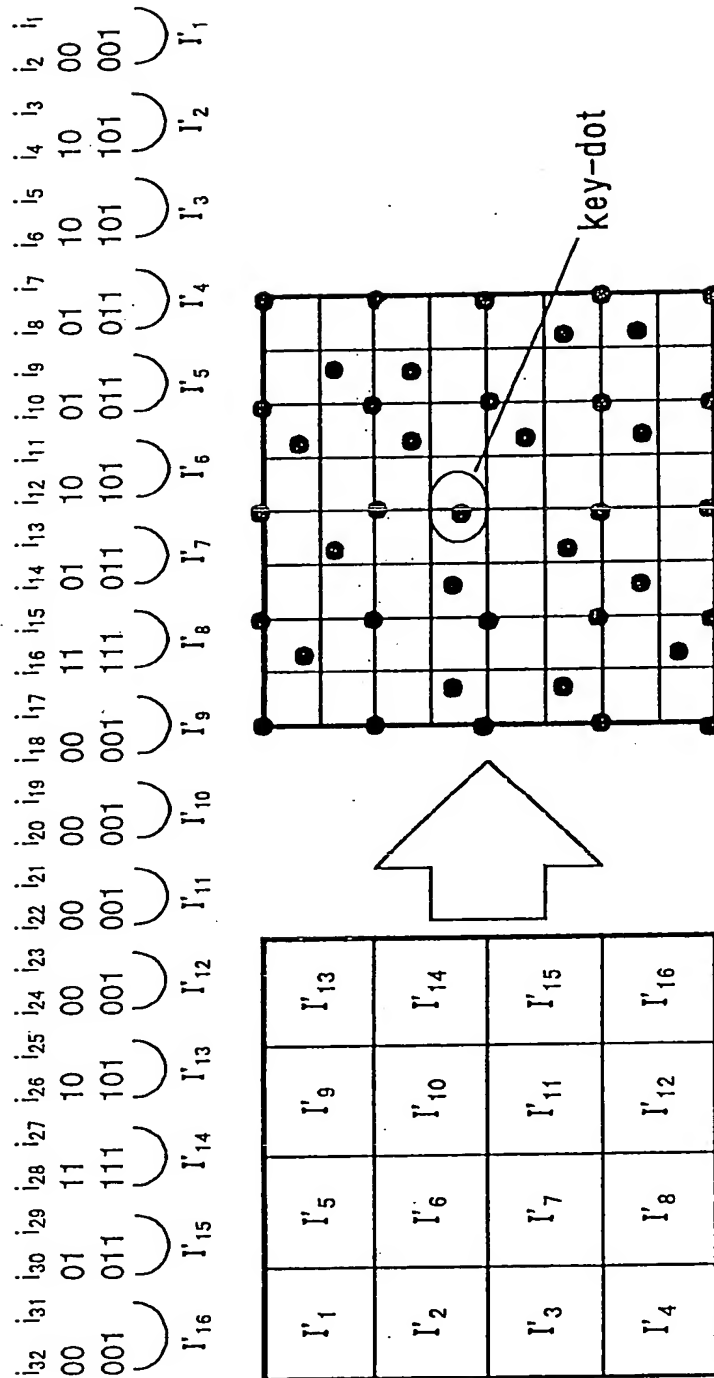
5/17

Fig. 8



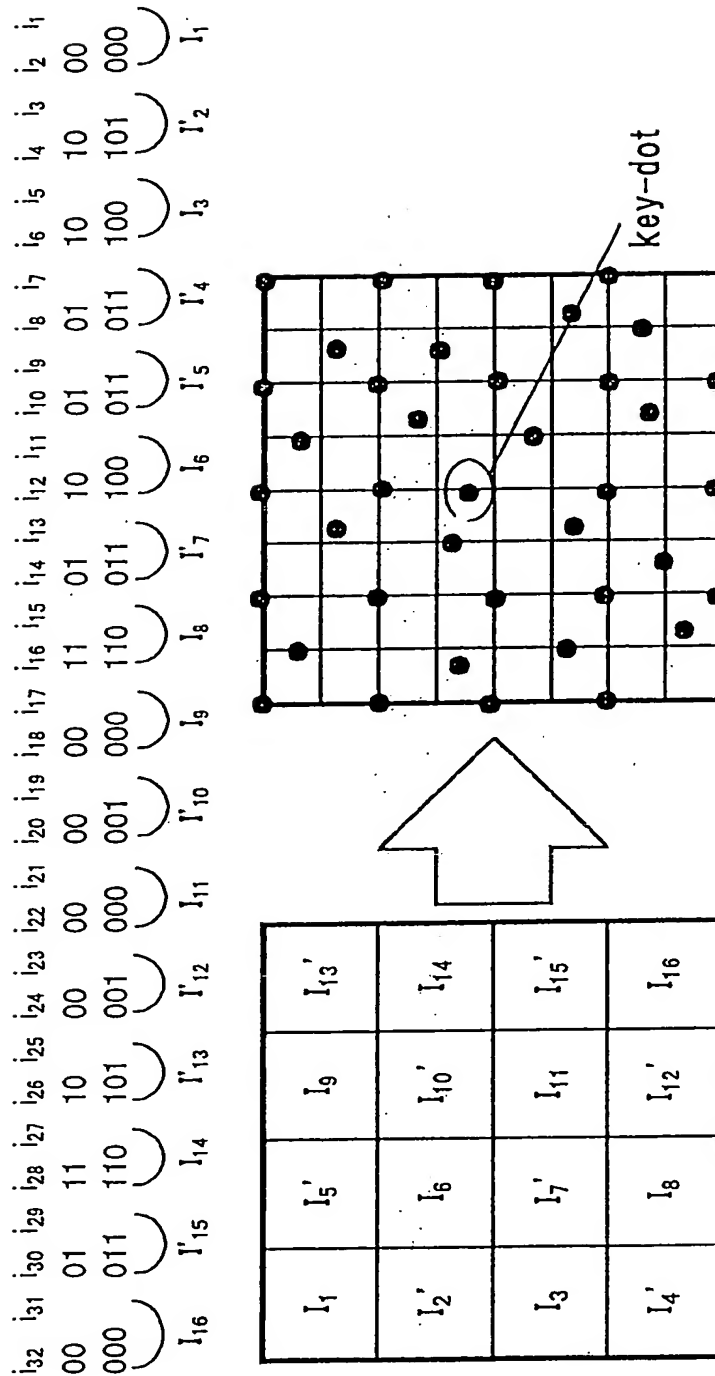
6/17

Fig. 9



7/17

Fig. 10



8/17

Fig. 11

K ₁₆	K ₁₅	K ₁₄	K ₁₃	K ₁₂	K ₁₁	K ₁₀	K ₉	K ₈	K ₇	K ₆	K ₅	K ₄	K ₃	K ₂	K ₁
101	110	001	111	100	010	011	101	100	001	110	000	011	110	010	001
R ₁₆	R ₁₅	R ₁₄	R ₁₃	R ₁₂	R ₁₁	R ₁₀	R ₉	R ₈	R ₇	R ₆	R ₅	R ₄	R ₃	R ₂	R ₁
001	101	110	100	010	000	011	111	011	001	111	101	100	110	010	000
I ₁₆	I ₁₅	I ₁₄	I ₁₃	I ₁₂	I ₁₁	I ₁₀	I ₉	I ₈	I ₇	I ₆	I ₅	I ₄	I ₃	I ₂	I ₁
110	011	111	011	110	010	110	100	111	010	101	101	111	100	100	001

9/17

Fig. 12

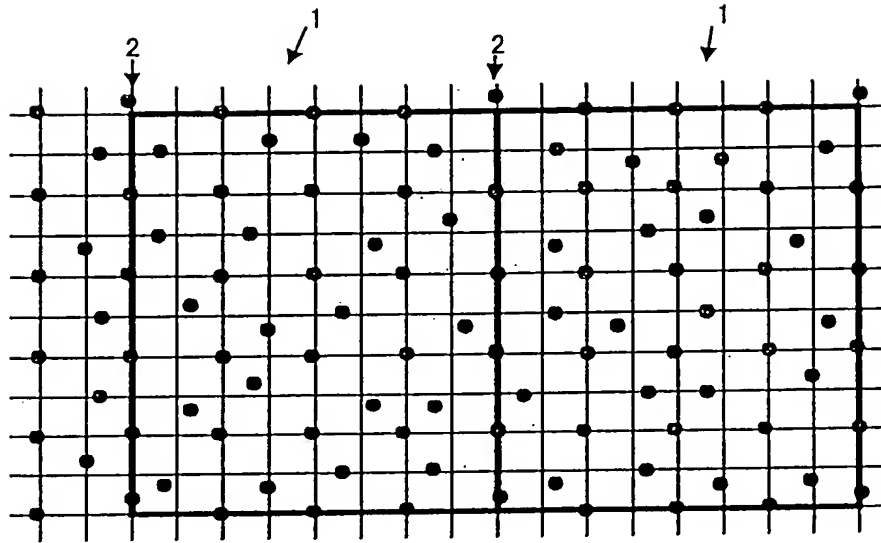
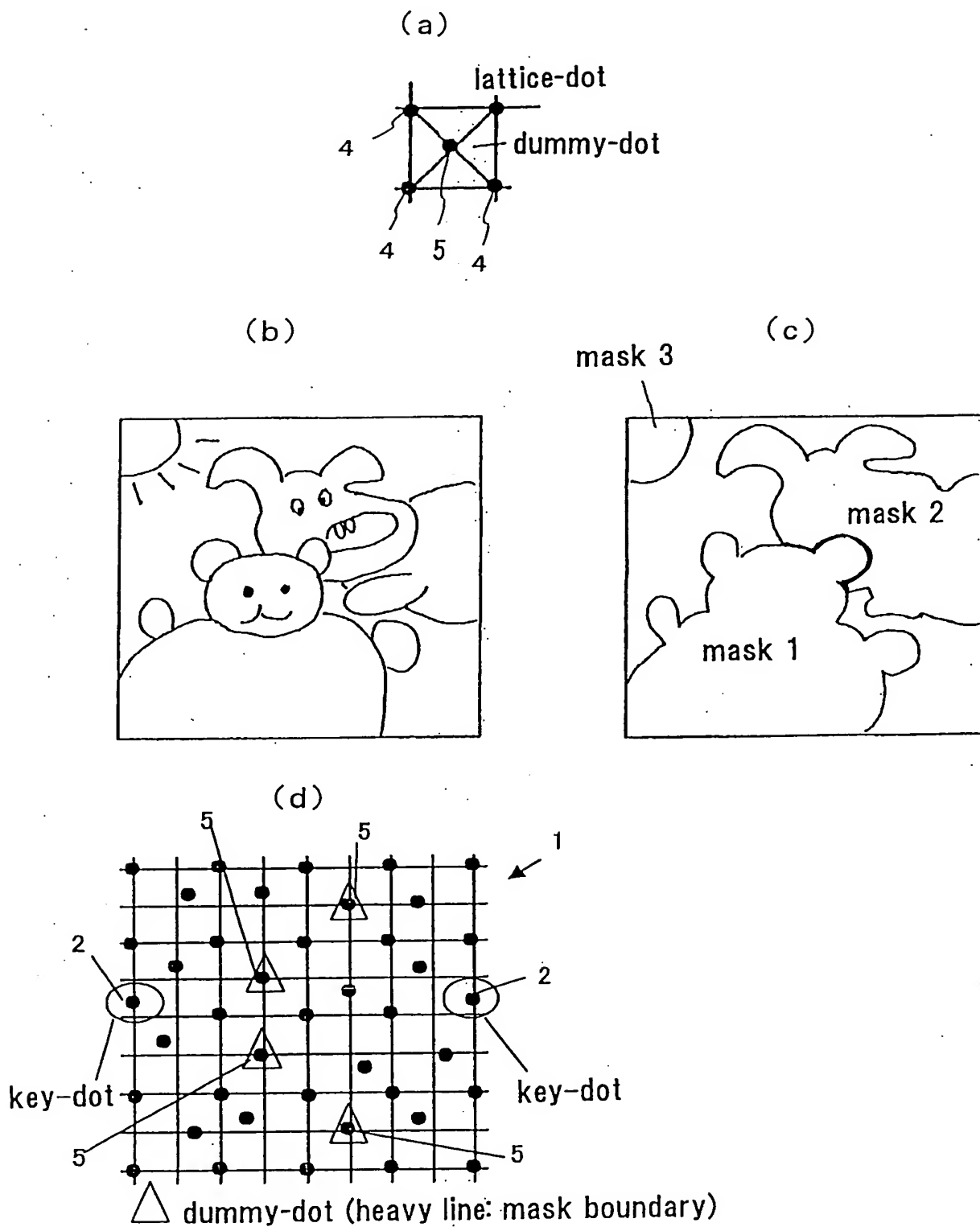


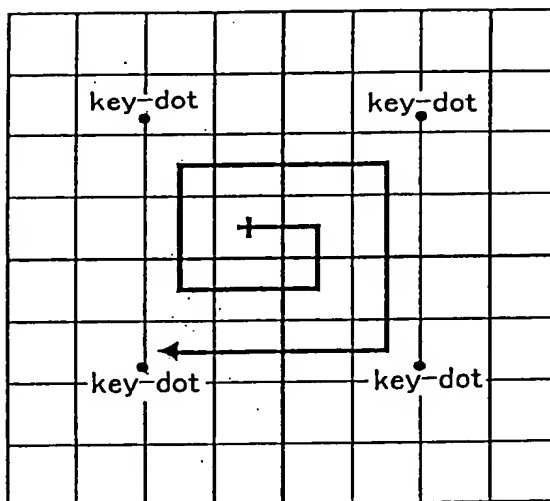
Fig. 13



11/17

Fig. 14

(a)



(b)

11I ₁	11I ₅	11I ₉	11I ₁₃	12I ₁	12I ₅	12I ₉	12I ₁₃
11I ₂	11I ₆	11I ₁₀	11I ₁₄	12I ₂	12I ₆	12I ₁₀	12I ₁₄
11I ₃	11I ₇	11I ₁₁	11I ₁₅	12I ₃	12I ₇	12I ₁₁	12I ₁₅
11I ₄	11I ₈	11I ₁₂	11I ₁₆	12I ₄	12I ₈	12I ₁₂	12I ₁₆
21I ₁	21I ₅	21I ₉	21I ₁₃	22I ₁	22I ₅	22I ₉	22I ₁₃
21I ₂	21I ₆	21I ₁₀	21I ₁₄	22I ₂	22I ₆	22I ₁₀	22I ₁₄
21I ₃	21I ₇	21I ₁₁	21I ₁₅	22I ₃	22I ₇	22I ₁₁	22I ₁₅
21I ₄	21I ₈	21I ₁₂	21I ₁₆	22I ₄	22I ₈	22I ₁₂	22I ₁₆

↑
y - coordinate

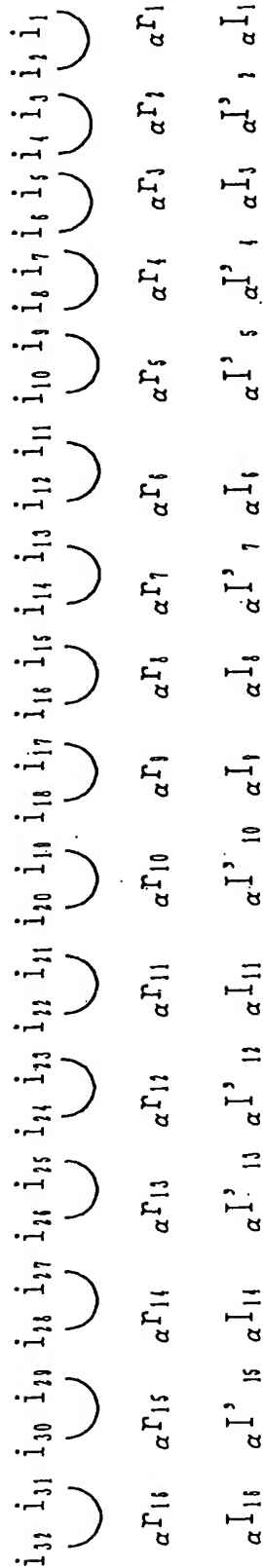
↑
x - coordinate

↑
y - coordinate

↑
x - coordinate

12/17

Fig. 15

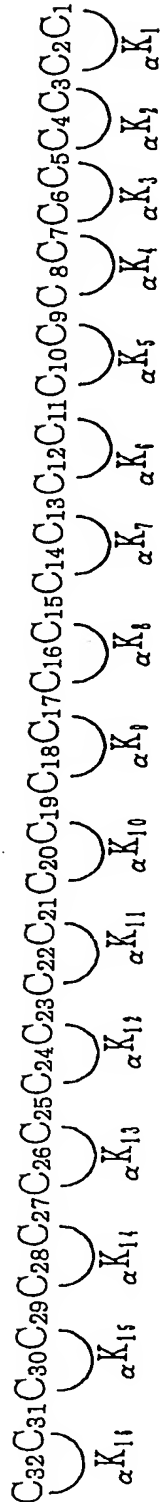


information-block

αI_1	$\alpha I'_{13}$
$\alpha I'_{12}$	αI_{14}
αI_3	$\alpha I'_{15}$
$\alpha I'_{14}$	αI_{16}

13/17

Fig. 16



data-block

αK_1	αK_5	αK_9	αK_{13}
αK_2	αK_6	αK_{10}	αK_{14}
αK_3	αK_7	αK_{11}	αK_{15}
αK_4	αK_8	αK_{12}	αK_{16}

14/17

Fig. 17

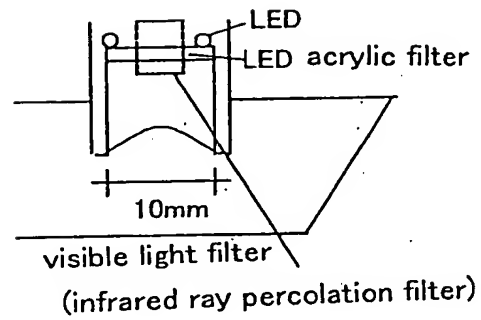
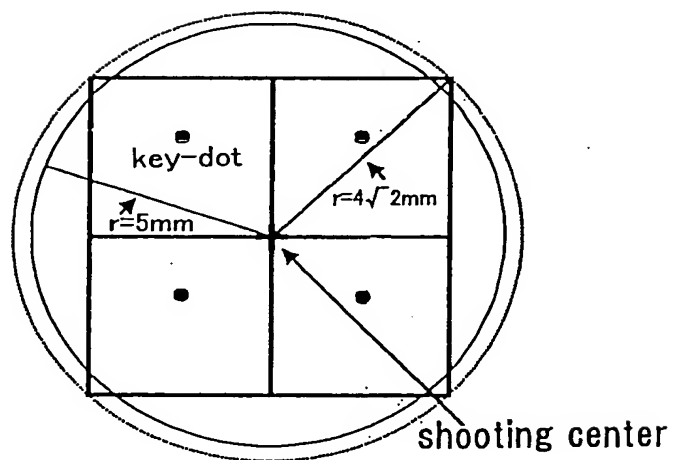
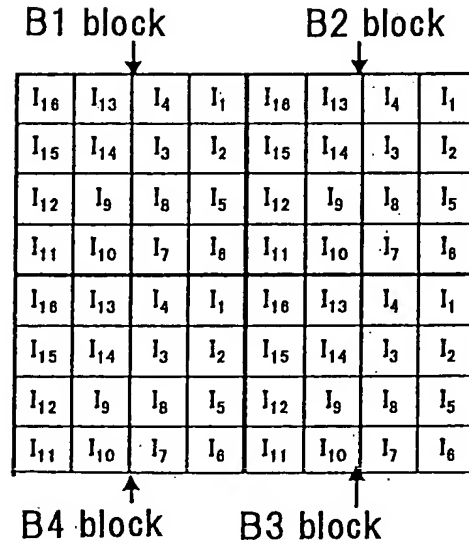


Fig. 18



15/17

Fig. 19



16/17

Fig. 20

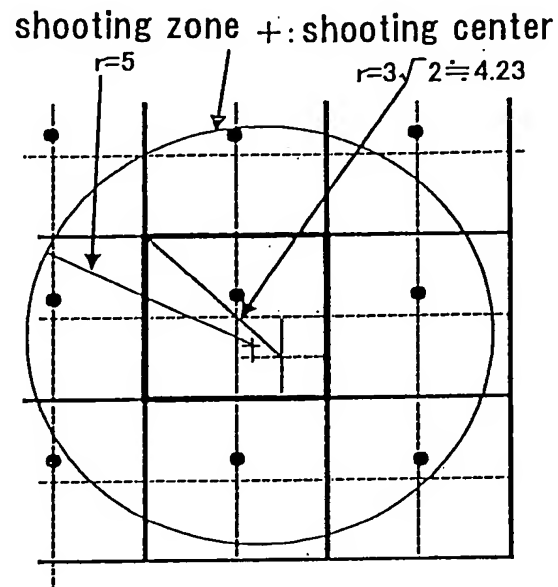
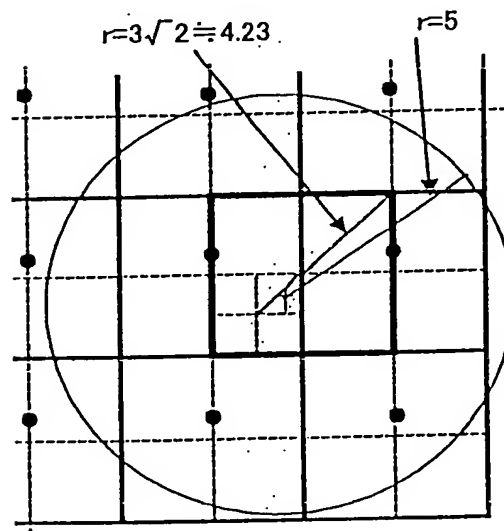


Fig. 21



17/17

Fig. 22

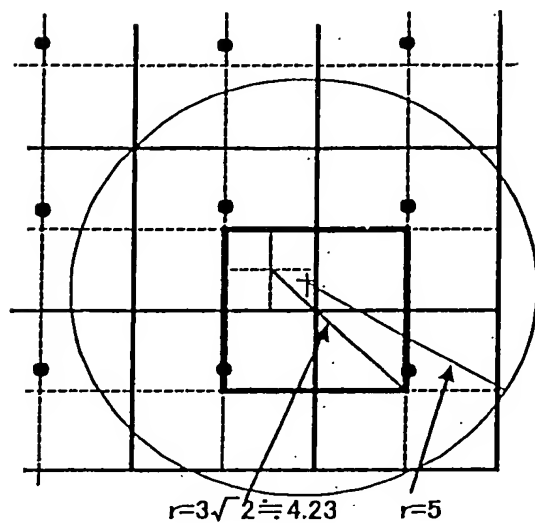


Fig. 23

